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Listing first 45 summaries
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        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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ALIGNMENTS

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88	Primates; Catarrhini; Hominidae; Homo.
×	I_TaxID=9606;
RP RP	[1] SEQUENCE FROM N.A.
RX	MEDLINE=91372359; PubMed=1654273;
RA	nman K., St John T.;
RT	thropoietin receptor gene: cloning and identif
2 2	multiple transcripts in an erythroid ceil line Ocimi. ;
RN	
₩ ₩	MEDLINE=90304340; PubMed=2163696;
RA	, Haines L.L., Wong G.G.;
R R R	"Human erythropoietin receptor: cloning, expression, and biologic characterization.":
RL	Blood 76:31-35(1990).
R R P	[3] SEQUENCE FROM N.A.
RC	
R X	MEDLINE=92399733; PubMed=1668606; Noguchi C T., Rae K.S., Chin K., Wada Y., Schechter A.N.,
RA	W.D.;
RT	"Cloning of the human erythropoietin receptor gene.";
R	B1000 /8:2548-2556(1991). [4]
RP	SEQUENCE OF 1-96 FROM N.A.
7 7	Dishmod-1669607
RA A	Maouche L., Tournamille C., Hattab C., Boffa G., Cartron J.P.,
	"Cloning of the gene encoding the human erythropoietin receptor.";
R R	[5]
RP RP	SEQUENCE OF 1-17 FROM N.A.
RA	
	"Genomic organization of the human erythropoietin receptor gene.";
R F	Genomics II:9/4-980(1991). [6]
RP	X-RAY CRYSTALLOGRAPHY (2.8 ANGSTROMS) OF 34-244.
P X	MEDLINE=96291992; PubMed=8662530;
RA :	J., Jolliffe L.K., Wilson I.A.;
RT	mimicry of a protein hormone k
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MEDLINE-98445092; PubMed-9774108; 
Syed R.S., Reid S.W., Li C., Cheetham J.C., 
Zhan H., Osslund T.D., Chirino A.J., Zhang 
Elliott S., Sitney K., Katz B.A., Matthews
                                                                                                                                                                                                                                                                                           CHAIN
                                                                                                                                                                                                                                                                                                             SIGNAL
                                                                                                                                                                                                                                                                                                                        PROSITE; PS01352; HEMATOPO_REC_L_F1; 1
Receptor; Transmembrane; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                             SMART;
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                                                                                                                                                     SEQUENCE
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L; M60459; AAA5240;
L; A45332; AAA52327;
L; M76595; AAA5239;
L; M77244; AAA5239;
; A43799; A43799;
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1EBA;
                              APPPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLE
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                                                                              Similarity
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; IPR003528; Hematopo
00041; fn3; 1.
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CYTOPLASMIC (POFIBRONECTIN TYPE)
                                                              Score 1194;
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); Mismatches
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                                                                                                                                                                                                                                                                                         ERYTHROPOIETIN RECEPTOR
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SEQUENCE OF 1-27 FROM N.A.
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MEDLINE-90287158; PubMed=2162479;
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   MEDLINE=93180826; PubMed=8382775;
Miura O., Cleveland J.L., Ihle J.N.;
"Inactivation of erythropoietin receptor function in a region having homology with other cytokine remol. Cell. Biol. 13:1788-1795(1993).
-i- FUNCTION: RECEPTOR FOR ERYTHROPOIETIN. MAY PLA
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[6]
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                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 1-24 FROM N.A.
MEDLINE-91201346; PubMed-1849897;
Lacombe C. Chretien S., Lemarchandel V.,
Gisselbrecht S., Cartron J.P.;
                                                                                                                                                                                                                                                                                            activation of the murine erythropoietin friend leukemia cell line.";
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insertion of spleen focus-forming virus
murine erythroleukemia cell line.";
Mol. Cell. Biol. 11:5527-5533(1991).
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MEDLINE-92017832; PubMed-
Hino M., Tojo A., Misawa
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"Characterization of murine erythropoietin
J. Mol. Biol. 216:567-575(1990).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , Zon L.I., Orkin S.H., transcription of the mu
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InterPro; IPR003528; Hematopo_receptor_L_F1.
Pfam; PF00041; fn3; 1.
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SEQUENCE
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SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 1 FIBRONECTIN TYPE III-LIKE DOMAIN.
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                                                                                                              CVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSDLD
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CAA37248.1; -...
AAA37572.1; -...
AAA37582.1; -...
AAB20029.2; -...
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                                             STANDARD;
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Pred. No. 5.9e
13; Mismatches
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N-LINKED (GLCNAC. . .) (POTENTIAL).
E -> D (IN REF. 3; AAB20029).
; 067657A2E26451CA CRC64;
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POTENTIAL.
CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III.
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DISULFID
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DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
MEDLINE-93266574; PubMed-7684373;
Maran M., Takahata K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; D13566; BAA02761.1; PIR; A46713; A46713.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             use by non-profit institutions as long as its content modified and this statement is not removed. Usage by an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J. Biol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cells.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Masuda S., Nagao M.,
Tabira T., Sasaki R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=10116;
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Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Erythropoietin receptor precursor (EPO-R) EPOR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rattus norvegicus (Rat).
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204
                                         181
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SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 1 FIBRONECTIN TYPE III-LIKE DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3iol. Chem. 268:11208-11216(1993).
FUNCTION: RECEPTOR FOR ERYTHROPOIETIN. MAY PLAY A ROLE IN THE MECHANISM OF ERYTHROPOIETIN-INDUCED ERYTHROBLAST PROLIFERATION
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CVLSNLRGGTRYTFAVRARMAEPSFSGFWSAWSEPASLLTASDLD
                       CVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSDLD
                                                                                                            LDAPVGLVARLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTE
                                                                                                                                                                                                 DEPWKLCRLHQAPTARGAVREWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVL
                                                                                                                                                                                                                                                                                      APPPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLE
                                                                                                                                                                          GESRKSCRLHQAPTVRGSMRFWCSLPTADTSSFVPLELQVTEASGSPRYHRIIHINEVVL
                                                                                                                                                                                                                                                                 ASSPSLPDPKFESKAALLASRGSEELLCFTQRLEDLYCFWEEAANSGMG-FNYSFSYQLE
                                                                                     LDAPAGLLARRAEEGSHVVLRWLPPPGAPMTTHIRYEVDVSAGNRAGGTQRVEVLEGRTE
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                                                                                                                                                                                                                                                                                                                                                                           Similarity
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IPR003961; FN_III.
IPR003528; Hematopo_receptor_L_F1
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Rodentia;
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82.7%;
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BY SIMILARITY.
ERYTHROPOLETIN RECEPTOR.
EXTRACELLULAR (POTENTIAL).
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BY SIMILARITY.
N-LINKED (GLCN)
                                                                                                                                                                                                                                                                                                                                                    Score 981.5;
Pred. No. 7.4e
15; Mismatches
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CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AC79AF22D06A7312 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                  981.5; DB 1;
No. 7.4e-85;
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RESULT 4
TPOR_MOUSE
Query Match
Best Local Similarity
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01-FEB-1995
01-FEB-1995
16-OCT-2001
                                                      CARBOHYD
CONFLICT
CONFLICT
CONFLICT
SEQUENCE
                                                                                                                                                                                                                                                  HSSP; P19235; 1EBA

HSSP; P19235; 1EBA

MGD; MGI:97076; Mpl.

InterPro; IPR002996; CRIA.

IPR003961; FN_III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oncogene 8:2607-2615(1993).

-i- FUNCTION: RECEPTOR FOR THROMBOPOIETIN MAY REPRESENT A REGULATORY
-i- FUNCTIOLE SPECIFIC FOR TPO-R-DEPENDENT IMMUNE RESPONSES.
-i- SUBCELLULAR LOCATION: Type I membrane protein.
-i- SUBCELLULAR LOCATION: Type I membrane protein.
-i- SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
-i- SIMILARITY: CONTAINS 2 FIBRONECTIN TYPE III-LIKE DOMAINS.
                                                                                                                                                                                                                                                                                                                             EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vigon I., Florindo C., Fichelson S., Guenet J.-L., Mattei M.-G., Souyri M., Cosman D., Gisselbrecht S., Souyri M., Cosman D., Gisselbrecht "The Cosman D., Gisselbrecht "The Cosman D., Gisselbrecht Souyri M., Cosman D., Gisselbrecht M., Gisselbrecht "The Cosman December of the murine Mpl proto-oncogene, a member of hematopoietic cytokine receptor family: molecular cloning, chromosomal location and evidence for a function in cell growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBO
                                                                                                                                                                 CHAIN
                                                                                                                                                                              SIGNAL
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SMART; SM00060; FN3; 1
                                                                                                                                                                                                                                                                                                                  PIR;
                                                                                                                                                                                                                                                                                                                                                                                 use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                         the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
MEDLINE=93327753; PubMed=8334987;
Mkoda R.C., Seldin D.C., Chiang M.K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MPL OR TPOR.
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                                                                                                                                                                                            Receptor;
                                                                                                                                                                                                                                               InterPro;
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                                                                                                                                                                                                                                                                                                                                                                                                                                   European Bioinformatics Institute.
                                                                                                                                                                                                                                                                                                              ;; Z22649; CAA80365.1; -.; Z22657; CAA80372.1; -.; X73677; CAA52031.1; -. S35317; S35317.
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                                                                 PS01352;
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                                                                                                                                                                                                                                            IPR003961; FN_III.
IPR003528; Hematopo_receptor_L_F1.
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(Rel. 31, Last sequence up
(Rel. 40, Last annotation
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                                                                                                                                                                                                     HEMATOPO_REC_L_F1;
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Rodentia;
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POTENTIAL.
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                                                                                                                      POTENTIAL.
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                EXTRACELLULAR (POTENTIAL).
                                                                                                                                                              THROMBOPOIETIN RECEPTOR
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                                                                  -> V (IN REF. 2).
-> PVRTSPAGE (IN
                                                      309CF6EAA3724549
    205;
No. 1
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    DB 1;
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CRC64;
             Length 625;
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; Murinae; Mus
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TPOR_HUMAN
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01-FEB-1995
01-FEB-1995
16-OCT-2001
                    This
                                                                                                                                                                                                                                                                                                                                                                                                                                    "Structure and transcription of Genomics 20:5-12(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mignotte V., Vigon Chretien S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Molecular cloning and characterization
the v-mpl oncogene: identification of a
growth factor receptor superfamily.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vigon I., Mornon J.-P., Coc
Gisselbrecht S., Souyri M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
MEDLINE-92302297; PubMed=1608974;
Cocault L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=94292186; PubMed=8020956;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mammalia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MPL OR TPOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25
                                                                                                                                                                                       SÜBCELLULAR LOCATION: Type I membrane protein.

ALTERNATIVE PRODUCTS: 2 ISOFORMS; C-MPL-K (SHOWN HERE) AND C-MPL-P; ARE PRODUCED BY ALTERNATIVE SPLICING.

P; ARE PRODUCED BY ALTERNATIVE SPLICING.

TISSUE SPECIFICITY: EXPRESSED AT A LOW LEVEL IN A LARGE NUMBER OF CELLS OF HEMATOPOIETIC ORIGIN. THE TWO FORMS (C-MPL-K AND C-MPL-P) ARE ALWAYS FOUND TO BE COEXPRESSED.

DISEASE: DEFECTS IN MPL ARE A CAUSE OF CONGENITAL AMEGAKARYOCYTIC THROMBOCYTOPENIA (CAMT); A DISEASE CHARACTERIZED BY ISOLATED THROMBOCYTOPENIA AND MEGAKARYOCYTOPENIA WITH NO PHYSICAL
                                                                                                    SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS. SIMILARITY: CONTAINS 2 FIBRONECTIN TYPE III-LIKE DOMAINS CAUTION: IT IS UNCERTAIN WHETHER MET-1 OR MET-8 IS THE I
                                                                                                                                                                                                                                                                                                                                                                                       FUNCTION: RECEPTOR FOR THROMBOPOIETIN. MAY REPRESENT A MOLECULE SPECIFIC FOR TPO-R-DEPENDENT IMMUNE RESPONSES.
                                                            DATABASE: NAME=PROW; NOTE=CD guide CD110 entry; WWW-"http://www.ncbi.nlm.nih.gov/prow/guide/11586825_g.htm".
                                                                                                                                                                         ANOMALIES.
SWISS-PROT entry is copyright. It is produced through een the Swiss Institute of Bioinformatics and the EN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WGPWSFPVTVDLPGD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WSAWSEPVSLLTPSD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LADESGHVVLRW-LPPPETP--MTSHIRYEVDVSAGNGAGSVQRVEILEGRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SQDVFLLALGTEPLNCFSQTFEDLTCFWDEEEAA--PSGTYQLLYAYRGEKPRACPLYSQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Natl.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        factor receptor superfamily.
watl. Acad. Sci. U.S.A. 89:56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (C-mpl) (CD110 antigen).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Rel. 31, Createu,
(Rel. 31, Last sequence update)
(Rel. 40, Last annotation updat
tin receptor precursor (TPO-R) (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   de Crevecoeur E., Romeo P.H.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Craniata; Vo
Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
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(TPO-R) (My
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vertebrata; Euteleostomi;
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  collaboration - Loutstation -
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EMBL; M90103; AAA69972.1; -.
EMBL; M90103; AAA69972.1; -.
EMBL; U68162; AAB08424.1; JOIN
EMBL; U68169; AAB08424.1; JOIN
EMBL; U68161; AAB08424.1; JOIN
EMBL; U68161; AAB08424.1; JOIN
FIR; A45266; A45266.
HSSP; P19235; 1EBA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR002996; CR1A.
InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hematopo_receptor_L_F1.
Pfam; PF00041; fn3; 2.
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NSYWLQLRSEPDGISLGGSWGSWSLPVTVDLPGD
                   TRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSD
                                                                                                           LDAPVGLVARLADESGHVVLRW-LPPPETPMTSHIRYEV-----DVSAGNGAGSVQRVE-
                                                                                                                                                                                                   PPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       604498;
                                                                                                                                                       PWKLCRLHQAPTARGAVRFWCSLP-TADTSSFVPLELRV-TAASGAPRYHRVIHINEVVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 159530;
                                         ETCCPALQRPHSASALDQSPCAQPTMPWQDGPKQTSPSREASALTAEGGS-CLISGLQPG
                                                                                    PAPPSIIKAMGGSQPGELQISWEEPAPE--ISDFLRYELRYGPRDPKNSTGPTVIQLIAT
                                                                                                                                 KPRACPLSSQSMPHFGTRYVCQFPDQEEVRLFFPLHLWVKNVFLNQTRTQRVLFVDSVGL
                                                                                                                                                                              PONL -- AQVSSQDVSLLASDSEPLKCFSRTFEDLTCFWDEEEAA -- PSGTYQLLYAYPRE
                                                                                                                                                                                                                          67; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antigen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   non-profit institutions as long as its content is in no way and this statement is not removed. Usage by and for commercial requires a license agreement (See http://www.isb-sib.ch/announce/an email to licenseeisb-sib.ch).
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JOINED.
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CYTOPLASMIC (POTENTIAL).

BY SIMILARITY.

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N-LINKED (GLCNAC. . .) (POTENTIAL).

RLINKED (GLCNAC. . .) (POTENTIAL).

RLINKED (GLCNAC. . .) (POTENTIAL).

RLINKED (GLCNAC. . .) (POTENTIAL).
                                                                                                                                                                                                                          30;
                                                                                                                                                                                                                         Pred. No. 9.40
); Mismatches
                                                                                                                                                                                                                                    Score 185;
Pred. No. 9.
                                                                                                                                                                                                                                                                                                                           MISSING (IN ISOFORM C-MPL-P).
A -> V (IN DBSNP:6087).
                                                                                                                                                                                                                                                                                                                                                   FLVRSVTPDLRPPPVRTYGFALPARHLWDSPRLLTL ISOFORM C-MPL-P).
                                                                                                                                                                                                                                                                                                                                                                          EPSLLEILPKSSERTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         THROMBOPOIETIN RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL
                                                                                                                                                                                                                                                                                /FTId=VAR_011989.
D25D8D8959359DDC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                       /FTId=VAR_011988.
E -> K (IN DBSNP:6088).
                     223
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                                                                                                                                                                                                                                             Length 635;
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01-NOV-1997 (Rel.
15-JUL-1998 (Rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; L02549; AAA51417.1; HSSP; P14787; 1AN3.
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or send an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Molecular cloning of the bovine prolactin receptor and of prolactin and growth hormone receptor transcripts in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRLR_BOVIN
Q28172;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Endometrium;
MEDLINE=93246019; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bos taurus (Bovine).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prolactin receptor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; IPR002996; CR1A.
InterPro; IPR003961; FN_III.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro;
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SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 4 FIBRONECTIN TYPE III-LIKE DOMAINS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FUNCTION: THIS
CPDYKTGGPNSCYFSKKHTSIWKMYVITVNAINQMGISSSDPLY---VHVTYIVEPEPPA
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                                                                                                                ALLAARGPEE----LLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQ 71
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cell. Endocrinol.
                                                                             SLLNGQSPPEKPKLVKCRSPGKETFTCWWEPGADGGL-PTNYTLTYHKEGE:
                                                                                                                                                          l Similarity
55; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 non-profit institutions as long and this statement is not removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bovinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PS01352;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         requires a license agreement (san email to license@isb-sib.ch).
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36, Last annotation updat
precursor (PRL-R).
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POTENTIAL.
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                                                                                                                                                        36;
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N-LINKED (GLCNAQ. . . .)
N-LINKED (GLCNAQ. . . .)
                                                                                                                                                                           Score 159; D
                                                                                                                                                      Pred. No. 2.4e
5; Mismatches
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01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-JUL-1998 (Rel. 36, Last annotation update)
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DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the European Bioinformatics Institute. There are no rest
use by non-profit institutions as long as its content
modified and this statement is not removed. Usage by an
entities requires a license agreement (See http://www.isb-
                                                                                                                                                                                                                                                                                                                                                                                             TRANSMEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SMART;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        non-breeding seasons in red deer (Cervus expression of two forms in the testis."; J. Endocrinol. 146:313-321(1995).
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SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 4 FIBRONECTIN TYPE III-LIKE DOMAINS
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IPR003991; FN_III.
IPR003528; Hematopo_receptor_L_F1
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CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III 1.
FIBRONECTIN TYPE-III 2.
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No.
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   ; DB 1;
1.3e-06;
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01-APR-1990
01-APR-1990
15-JUL-1998
                                                                                                                                                                                                                                                               between the Swiss Institute of Bioinformatics the European Bioinformatics Institute. There a use by non-profit institutions as long modified and this statement is not removed. Use entitles requires a license agreement (See http or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE-97248733; PubMed-9094747;
Halaby D., Thoreau E., Djiane J., Morno
"Homology modeling of rabbit prolactin
                                                                        InterPro; IPR002996; CR1A.
InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hematopo_receptor_L_F1
Pfam; PF00041; fn3; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           receptor by molecular cloning
mammary gland.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Edery M., Jolicoeur C., Levi-Meyrueis C., Dusanter-Fourt I., Petridou B., Boutin J.M., Lesueur L., Kelly P.A., Djiane J.; "Identification and sequence analysis of a second form of prolactin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
Mammalia; Eutheria;
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                           PROSITE; PS01352;
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MEDLINE=89184578; PubMed=2928321;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUBCELLULAR LOCATION: Type I membrane protein.
SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 2 FIBRONECTIN TYPE III-LIKE DOMAINS.
                                                                                                                                                                      ; J04510; AAA3145
A30304; A30304.
1AN3; 03-DEC-97.
                                                                                                                                                                                                                                                                                                                                                                                                             SWISS-PROT entry is copyright. It is produced through
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KYLVQVRCK---PDH-GYWSEWSPESSIQIPND
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                                                      SM00060; FN3;
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  Transmembrane;
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Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
utheria; Lagomorpha; Leporidae; Oryctolagus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (Rel. 14, Created)
(Rel. 14, Last sequence up)
(Rel. 36, Last annotation
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                           HEMATOPO_REC_L_F1;
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  Glycoprotein;
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  Signal;
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RESULT 9
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                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                Biochem.
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DISULFID
CARBOHYD
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01-JUN-1994 (Rel. 29, Last sequence up
15-JUL-1998 (Rel. 36, Last annotation
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
STRAIN-WHITE LEGHORN; TISSUE-Kidney;
MEDLINE-93075121; PubMed-1445292;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gallus gallus (Chicken).

Finkarvota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prolactin receptor
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                                                                                                                                                                                                                                                                            cDNA sequence.";
chem. Biophys. Res.
FUNCTION: THIS IS
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BAA02439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24
616
234
258
616
122
122
227
46
86
59
104
132
68840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               yb, Last annotation update)
precursor (PRL-R) (CPRLP).
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                                                                                                                                                                                                                                                                                ×
                                                                                                                                                                                                                                                                                               Commun.
                                                                                                                                                                                                                                                                                RECEPTOR
                                                                                                                                                                                                                                                                                                                                       o T., Nakashima
of chicken pro]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ₩,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL.

CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III 1.
FIBRONECTIN TYPE-III 2.
BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
OF THE CONTROL OF THE CONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score
Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BY SIMILARITY.
PROLACTIN RECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                            188:490-496(1992).
OR FOR THE ANTERIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          148; DB 1;
No. 2.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ETFTCWWRPGADGGL-PTNYTLTYHKEGE
                                                                                                                                                                                                                                                                                                                                       prolactin receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         831
                                                                                                                                                                                                                                                                                                                                                            <u>ج</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 616;
                                                                                                                                                                                                                                                                            PITUITARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                         deduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       42;
                                                                                                                                                                                                                                                                              HORMONE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              116
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PRLR_COLLI
ID PRLR_C
AC Q99374
AC ACChos
OX NCB1_1
AC TISSUE
AC TISSUE
AC MEDLII
AC MEDLII
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                                                                                                                                                                                                        RESULT
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Best Local :
                                                                                                                                                              PRLR_COLLI
Q90374;
01-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CARBOHYD
CARBOHYD
CARBOHYD
                                                                         PKLK.

Columba livia (Domestic pigeon).

Columba livia (Domestic pigeon).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Metazoa; Chordata; Columbiformes; Columbidae; Columba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DISULFID DISULFID
                    TISSUE=Cropsac;
MEDLINE=94283267;
Chen X., Horseman
                                                                                                                            01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-JUL,1998 (Rel. 36, Last annotation update)
Projectin receptor precursor (PRL-R).
receptor.";
            "Cloning,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00060; FN3; 3.
PROSITE; PS01352; HEMATOPO_REC_L_F1;
                                                     SEQUENCE FROM
                                                                        Archosauria; Aves;
NCBI_TaxID=8932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro;
                                                                                                                                                                                                                                       383
                                                                                                                                                                                                                                                             171
                                                                                                                                                                                                                                                                                  326
                                                                                                                                                                                                                                                                                                       117
                                                                                                                                                                                                                                                                                                                            273
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                                                                                                                                                                                                                                                                                 YIVQPDPPVNVTLELKKPINRKPYLVLTWSPPPLADVRSGWLTLEYELRLKPEEGE---
                                                                                                                                                                                                                                                                                                                                                                                           PPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JQ1655; JQ1655.; P14787; 1AN3.
                                                                                                                                                                                                                                       WETIFVGQQTQYKMFSLNPGKKYIIQIHCK---PDHHGSWSEWSSENYIQIPND
                                                                                                                                                                                                                                                            RVEILEG-RTECVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSD
                                                                                                                                                                                                                                                                                                                            E----QVYECPDYRTAGPNSCYFDKKHTSFWTIYNITVRATNEMGSNSSDPHY---VDVT
                                                                                                                                                                                                                                                                                                                                                 PWKLCRLHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAA-----SGAPRYHRVIHIN
                                                                                                                                                                                                                                                                                                                                                                      PPEKP----TIIKCRSPEK-----ETFTCWWKPGLDGG-HPTNYTLLYSKEGE
                                                                                                                                                                                                                                                                                                      EVVLLDAPVGLVARL---ADESGHVVLRWLPPPETPMTS---HIRYEVDVSAGNGAGSVQ
                                                                                                                                                                                                                                                                                                                                                                                                                55;
                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IPR002996; CR1A.
IPR003961; FN_III.
IPR003528; Hematopo_receptor_L_F1
           expression,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                    N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₽,
                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  438
4459
831
1122
225
325
428
46
86
86
91
110
1112
1112
112
1132
262
315
315
94102
                     PubMed=7516866;
N.D.;
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                                                                                                                                                                                                                                                                                                                                                                                                                          12.1%;
23.5%;
           and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WW.
          mutational analysis
                                                                                                                                                                                                                                                                                                                                                                                                                33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CYTOPLASMIC (POTENTIA)
FIBRONECTIN TYPE-III
FIBRONECTIN TYPE-III
FIBRONECTIN TYPE-III
FIBRONECTIN TYPE-III
                                                                                                                                                                                                                                                                                                                                                                                                                           Score
Pred.
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N-LINKED
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N-LINKED
N-LINKED
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BY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROLACTIN RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POTENTIAL
                                                                                                                                                                                   PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SIMILARITY
SIMILARITY
                                                                                                                                                                                                                                                                                                                                                                                                                           144.5;
No. 8.
                                                                                                                                                                                   830
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                                                                                                                                                                                                                                                                                                                                                                                                                           .6e-06;
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                                                                                                                                                                                                                                                                                                                                                                                                                103;
           of.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CRC64;
           the
                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 831;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (POTENTIAL)
           pigeon
                                                                                                                                                                                                                                                                                                                                                                                                                43;
           prolactin
                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                       170
                                                                                                                                                                                                                                                                                                                                                 116
                                                                                                                                                                                                                                                                                                                                                                                           62
                                                                                                                                                                                                                                                                                  382
                                                                                                                                                                                                                                                                                                                                                                     272
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RESULT 11
PRLR_MELGA
ID PRLR_M
AC Q91094
DT 01-NOV
                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 55
PRLR_MELGA S
Q91094; Q91091;
01-NOV-1997 (Rel
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                              CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRANSMEM
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     use by non-profit institutions as long modified and this statement is not removed. entities requires a license agreement (See
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pfam; PF00041; fn3; 4. SMART; SM00060; FN3; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; U07694; AAA20646.1; HSSP; P16471; 1BP3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the Extra the European Bioinformatics Institute. There are no restitute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
-!- SIMILARITY: CONTAINS 4 FIBRONECTIN TYPE III-LIKE DOMAINS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Endocrinology
-!- FUNCTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro;
                                                                                                     381
                                                                                                                                                             328
                                                                                                                                                                                        118
                                                                                                                                                                                                                   275
                                                                                                                                                                                                                                                                        226
                                                                                                                                                                                                                                             64
                                                                                                                                                                                                                                                                                                    4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROLACTIN
                                                                                                                                                                                                                                                                                                   PNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEP
                                                                                                    AEEWETIFVGQQTHYKMFSLNPGKKYIVQIHCK---
                                                                                                                                                                                                                                             WKLCRLHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAAS-----GAPRYHRVIHINE
                                                                                                                                                                                                                                                                        PNGESP--PEKPTIIKCRSPEK-----ETFTCWWKPGSDGG-HPTNYTLLYSKEGEE
                                                                                                                              VEILE----
                                                                                                                                                           IVQTDPPVNVTLELKKTVNRKPYLVLTWSPPPLADVRSGWLTLDYELRLKP-----
                                                                                                                                                                                     VVLLDAPVGLVARL---ADESGHVVLRWLPPPETPMTS---HIRYEVDVSAGNGAGSVQR 171
                                                                                                                                                                                                                                                                                                                                55;
                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PS01352;
                                                                                                                                                                                                                 RVYECPDYKTAGPNSCYFDKKHTSFWTIYNITVKATNEIGSNVSDPLY---VDVTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IPR003528; Hematopo_receptor_L_F1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IPR002996; CR1A.
IPR003961; FN_III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Transmembrane;
     (Rel.
                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                   24
440
461
253
1123
327
3327
755
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1112
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223
330
4330
336
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THIS IS A RECEPTOR
  STANDARD; F
1; Q91092;
Rel. 35, Created)
                                                                                                                              -GRTECVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTPSD
                                                                                                                                                                                                                                                                                                                                                                                                    ¥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HEMATOPO_REC_L_F1;
                                                                                                                                                                                                                                                                                                                                                                                                                              23
830
439
460
830
1122
2226
326
429
91
110
110
1112
1112
263
304
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                                                                                                                                                                                                                                                                                                                                           11.4%; 23.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                    W.
                                                                                                                                                                                                                                                                                                                             33;
                                                                                                                                                                                                                                                                                                                                                                                                             POTENTIAL.

CYTOPLASMIC (POTENTIAL ETHRONECTIN TYPE-III 1 FIBRONECTIN TYPE-III 2 FIBRONECTIN TYPE-III 2 FIBRONECTIN TYPE-III 3 FIBRONECTIN TYPE-III 4 BY SIMILARITY.

BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC...)

N-LINKED (GLCNAC...)
                                                                                                                                                                                                                                                                                                                             Score 136.5;
Pred. No. 4.9e
33; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROLACTIN RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL
                                 PRT;
                                                                                                                                                                                                                                                                                                                                                                                                    3B074E83CDF69EFF
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                                 831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Signal; Repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               There are no res
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (POTENTIAL).
TYPE-III 1.
TYPE-III 2.
TYPE-III 3.
TYPE-III 4.
                                                                                                                                                                                                                                                                                                                                             ; DB 1
                                AA
                                                                                                    PDHHGSWSEWSLEKYLQIPTD
                                                                                                                                                                                                                                                                                                                                104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Usage
                                                                                                                                                                                                                                                                                                                                                        1.
                                                                                                                                                                                                                                                                                                                                                                                                    CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PITUITARY HORMONE
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Similarity

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Score 135; DB Pred. No. 6.7e 6; Mismatches

DB 1; .7e-05;

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Conservative

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PROSITE; PSO1352; HEMATOPC RECEPTOT; Transmembrane; G SIGNAL 24 831 DOMAIN 459 459 DOMAIN 25 122 DOMAIN 25 122 DOMAIN 25 122 DOMAIN 25 122 DOMAIN 25 428 DOMAIN 326 262 CARBOHYD 310 100 CARBOHYD 112 112 CARBOHYD 132 132 CARBOHYD 362 262 CARBOHYD 313 303 CARBOHYD 315 315 CARBOHYD 315 315 CARBOHYD 335 335 SEQUENCE 831 AA; 94394 M
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HSSP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the EM the European Bioinformatics Institute. There are no restruse by non-profit institutions as long as its content use by non-profit institutions as long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use by non-profit institutions are long as its content use of the long and long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long as its content use of the long are long a
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Submitted (MAR-1995) t
-!- FUNCTION: THIS IS
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InterPro; IPR003961; FN_I
InterPro; IPR003528; Hemai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
-!- SIMILARITY: CONTAINS 4 FIBRONECTIN TYPE III-LIKE DOMAINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  prolactin receptor
gallopavo.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            zhou J.F., Zadworny
"Molecular cloning,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Meleagris gallopavo
Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-1997
15-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SMART; SM00060; FN3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pfam; PF00041; fn3; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  or send an email to license@isb-sib.ch).
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U22947;
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(Rel. 38, Last annotation update)
eceptor precursor (PRL-R) (TPRLR).
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; AAA75038.1; -.
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tissue distribution,
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Chordata; Crania
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Hematopo_receptor_L_F1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Foster D.N., el Halawani M.E.; to the EMBL/GenBank/DDBJ databases. A RECEPTOR FOR THE ANTERIOR PITUITARY HORMONE
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mes; Meleagrididae; Meleagris.
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W TYPE-III 3.
W TYPE-III 4.
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P16471; Q9BX87;
P16471; Last annotation update)
P16471; Q9BX87;
P16471; P16471; Last annotation update)
                                                                                                                                                                                                                                                                                                                        Somers W., Ultsch M., de Vos A.M. "The X-ray structure of a growth Nature 372.478-481(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. (ISOFORM 1).
MEDLINE-99182102; PubMed=10084611;
Hu Z.-Z., Zhuang L., Meng J., Leondires M., Dufau M.L.;
"The human prolactin receptor gene structure and alternati utilization: the generic promoter hPIII and a novel human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Boutin J.-M., Edery M., Shirota M., Jolico Ali S., Gould D., Djiane J., Kelly P.A.; "Identification of a cDNA encoding a long in human hepatoma and breast cancer cells. Mol. Endocrinol. 3:1455-1461(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kline J.B., Clevenger C.V.;
"Characterization of a novel and functional human prolactin isoform (delta-S1 PRLr) containing only one extracellular fibronectin-like domain.";
                                                        between the
                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=95075462;
                                                                                                                                                                                                                                                                                                                                                                                                                                   X-RAY CRYSTALLOGRAPHY (2.9 ANGSTROMS)
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MEDLINE=90114212; PubMed=2558309;
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                                                                                                                              SUBCELLULAR LOCATION: Type I membrane proto
ALTERNATIVE PRODUCTS: 2 isoforms; 1 (shown
are produced by alternative splicing.
SIMILARITY: BELONGS TO THE CYTOKINE FAMILY
SIMILARITY: CONTAINS 2 FIBRONECTIN TYPE II:
                                                                                                                                                                                                                                                                                                 FUNCTION: THIS IS A RECEPTOR FOR THE ANTERIOR
                                                                                                                                                                                                                                                                              PROLACTIN.
                   SWISS-PROT entry is copyright. It is produced through a collaboration sen the Swiss Institute of Bioinformatics and the EMBL outstation buropean Bioinformatics Institute. There are no restrictions on its
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  institutions as long
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Best Local S
Matches 50
IL9R_HUMAN STANDARD; PRT; 522 AA.

Q01113; Q14634;

01-APR-1993 (Rel. 25, Created)

01-APR-1993 (Rel. 25, Last sequence update)

16-OCT-2001 (Rel. 40, Last annotation update)

Interleukin-9 receptor precursor (IL-9R).

(IL9RY OR IL9R) AND (IL9RY OR IL9R).

Homo sapiens (Human).

Eukaryota; Metazoa; Chordata; Craniata; Vertebra
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IPR003961; FN_III.
IPR003528; Hematopo_receptor_L_F1
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nilarity 23.8%;
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CYTOPLASMIC (POTENTIAL).

FIBRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.

BY SIMILARITY.

BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC...) (
N-LINKED (GLCNAC...) 
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                                                                                                                              Query Match
Best Local Similarity
Matches 58; Conser
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CONFLICT
SEQUENCE
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TRANSMEM
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SIGNAL
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EMBL; S71404;
EMBL; S71420;
EMBL; L39064;
                                                                                                                                                                                                                                                    DOMAIN
DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kermouni A., van Roost E., Arden K.C., Vermeesch J.R., Godelaine D., Flint J., Lurquin C., Szikora J.P., Higgs Marynen P., Renauld J.C.; The II-9 receptor gene (IL9R): genomic structure, chro localization in the pseudoautosomal region of the long chromosomes, and identification of IL9R pseudogenes at
                                                                                                                                                                                                                  DOMAIN
                                                                                                                                                                                                                                    DOMAIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=92302307; PubMed=1376929;
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NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                             PROSITE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=96115587; PubMed=8666384;
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21 RGPEE--LLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAP----
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; IPR002996; CRIA.
; IPR003531; Hematopo_receptor_S_F1.
PS01355; HEMATOPO_REC_S_F1; 1.
PS01355; HEMATOPO_REC_S_F1; Signa
                                      Conservative
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; AAB30844.2; ALT_SEQ.
; AAD14081.1; -.
; AAC29513.1; -.
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G., Benedict C.,
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J.;
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                                      25;
                                                                                                                        N-LINKED (GLCNAC. . .) (POTENTIAL).
N-LINKED (GLCNAC. . .) (POTENTIAL).
R -> G (IN REF. 3).
MISSING (IN REF. 3).
; E6CB5C6342DE2BB2 CRC64;
                                                      Pred.
                                                                                                                                                                                                                              CYTOPLASMIC (POTENTIAL)
FIBRONECTIN TYPE-III.
POLY-SER.
                                                                     Score
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es 93;
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                                                                       Length 522;
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                                    Indels
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s D.R.,
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9qter, 10pter,
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                                      60;
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RESULT 14

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RC STRAIL
RX MEDLLI
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RI [3]
RN [2]
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A. (FORM PRI-R3).
STRAIN=C3H; TISSUE=Mammary gland;
MEDLINE=94087788; PubMed=8262385;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q08501; Q62099; P15213; P15212;
01-APR-1990 (Rel. 14, Created)
01-FEB-1995 (Rel. 31, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Projectin receptor precursor (PRL-R).
                                                                                                                                                                                                                                                                                                                                                         Edery M., Peze
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            long-form prolactin receptor.
Gene 134:263-265(1993).
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                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                              Sasaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mouse ovary
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Mammalia; Eutheria;
                                    between
                                                                                                                                                                                                                                      Davis J.A., "Expression
                                                                                                                                                                                                                                                                       MEDLINE=89261824; PubMed=2725531;
                                                                                                                                                                                                                                                                                           STRAIN=SWISS WEBSTER; TISSUE=Liver;
                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                           Submitted
                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Changes in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Clarke D.L., Linzer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=93307149; PubMed=8319571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=SWISS WEBSTER;
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                                                                                                                                                                                                                         liver."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   74
                                                                                   PROLACTIN, AS WELL AS PLACENTAL LACTOGEN I AND II.
SUBCELLULAR LOCATION: Type I membrane protein.
ALTERNATIVE PRODUCTS: 3 ISOFORMS; PRL-R1, PRL-R2 AND PRL
HERE); ARE PRODUCED BY ALTERNATIVE SPLICING.
SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.
SIMILARITY: CONTAINS 2 FIBRONECTIN TYPE III-LIKE DOMAINS
                   European Bioinformatics Institute.
                                                                                                                                                                                    . Endocrinol. 3:674-680(1989). FUNCTION: THIS IS A RECEPTOR FOR THE ANTERIOR PITUITARY
                                  SWISS-PROT entry is copyright. It is produced through a collaboration sen the Swiss Institute of Bioinformatics and the EMBL outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VGVTWLILEAFELDPGFIHEARLRVQMATLEDDVVEEERYTGQWSEWSQPVCFQAP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -VKLDPPSDLQSNIS--SGHCILTWSISPALEPMTTLLSYELAFKKQEEAWEQAQHRDHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VVLLDAPVGLVARLADESGHVVLRW-LPPPETPMTSHIRYEVDVSAGNGA-GSVQRVEIL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -TARGAVRFWCSLPTADTSSFVPLE-LRVT---AASG--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R.C.,
                                                                                                                                                                                                                                                                                                                                        LB/C; TISSUE=Mammary gland;
Pezet A., Nandi S., Kelly P.A.;
(JUN-1993) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                           (JUL-1992) to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    prolactin receptor expression
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ER; TISSUE=Liver;
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Rodentia;
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Sciurognathi;
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                 There are no
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thi; Muridae; Murinae; Mus
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RESULT 15
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Best Local S
Matches 47
        GHR_MOUSE STANDARD; PRT; 650 AA P16882; P16590; Q9R264; 01-AUG-1990 (Rel. 15, Created) 01-AUG-1990 (Rel. 15, Last sequence update) 01-MAR-2002 (Rel. 41, Last annotation updat Growth hormone receptor precursor (GH recep
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InterPro; IPR0039961; FN_III.
InterPro; IPR003528; Hematopo_receptor_L_F1.
Pfam; PF00041; fn3; 2.
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EMBL;
PIR;
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LL; L14811; AAA0268

LL; D10214; BAA01056

LL; X73372; CAA5178

LL; M22959; AAA3997

L; M22958; AAA3997;

L; M22958; J70671;

P; P14787; 1AN3.
                                                                                                                   LVQTRCK---PDH-GYWSRWGQEKSIEIPND
                                                                                                                                                                        CSLPTADTSSFVPLELRVTA-----ASGAPRYHRVIHINEVVLLDAPVGL---VARLAD
                                                                                                                                                                                                                                                                   PEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTARGAVRFW
                                                                                                                                       TFAVRARMAEPSFGGFWSAWSEPVSLLTPSD
                                                                                                                                                            KKTYLWVKWLPPTITDVKTGWFTMEYEIRLKSEEADEWEIHFTGHQTQFKVFDLYPGQKY
                                                                                                                                                                                                     CFFSKQYTSIWKIYIITVNATNEMGSSTSDPLY---VDVTYIVEPEPPRNLTLEVKQLKD
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(Serum
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                                                                                                                                                                                                                                                                                                   Similarity
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binding
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protein)
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EXTRACELLULAR (BY SIMILARITY).

BY SIMILARITY.

CYTOPLASMIC (BY SIMILARITY).

FIBRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.

BY SIMILARITY.
                                                                                                                                                                                                                                                                                                  Score
Pred.
                                                                                                                                                                                                                                                                                                                                                     KGKSEELLSALGCODFPPTSDCE -> INCSILOLTSLVKI
PTTEFLCDL (IN ISOFORM PRL-R1).
MISSING (IN ISOFORM PRL-R1).
L -> F (IN REF. 2).
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N-LINKED (GLCNAC. . .)
N-LINKED (GLCNAC. . .)
                                                                                                                                                                                                                                                                                                                                                                                                PRL-R2).
MISSING (IN ISOFORM PRL-R2).
                                                                                                                                                                                                                                                                                                                                                                                                                    KGKSEELLSALG
                                                                                                                                                                                                                                                                                                                                             B8CE202B2EFC9FC6 CRC64;
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                                                                                                                                                                                                                                                                                                  126;
No. 0.
                                                                                                                   224
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        receptor)
                    update)
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                                                                                                                                                                                                                                                                                         104;
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          (GH
                                                                                                                                                                                                                                                                                                           Length 608;
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) (POTENTIAL).
        binding protein)
                                                                                                                                                                                                                                                                                         22;
                                                                                                                                                                                                                                                                                       Gaps
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Woffat J.G., Edens A., razumment Woffat J.G., Edens A., razumment with the mouse "Structure and expression of the mouse "Structure and expression of the mouse "Structure and expression of the mouse "Structure" in the mous
                 EMBL;
                                                                                    the European Bioinformatics Institute. There are no restrict use by non-profit institutions as long as its content is modified and this statement is not removed. Usage by and fc entities requires a license agreement (See http://www.isb-sib.or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                              This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zhou Y., He L., Kopchick Submitted (FEB-1996) to t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN-C57BL;
Zhou Y., He L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "An exon encoding the mouse carboxy terminus is located hormone receptor gene."; Receptor 4:223-227(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=C57BL; 
MEDLINE=95201642; PubMed=7894338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           receptor transcripts are
splicing.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A. (ISOFORM 2).
STRAIN-SWiss Webster, and DBA/2J;
MEDLINE-95080157; PubMed-7988474;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=Swiss Webster, and DBA/2J; MEDLINE=99367316; PubMed=10425445;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Smith W.C., Kuniyoshi J., Talamantes F.;
"Mouse serum growth hormone (GH) binding
extracellular and substituted transmembra
mol. Endocrinol. 3:984-990(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hormone receptor.
Mol. Endocrinol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Isolation of two molecular weight
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Smith W.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE OF 25-41.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A. (ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. (ISOFORMS 1 AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A. (ISOFORMS 1 AN MEDLINE=89295449; PubMed=2739661;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=88288223; PubMed=3398846;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Mouse growth hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Endocrinology 135:2802-2805(1994).
                                                                                                                                                                                                                                                                                 FUNCTION: Isoform 1 is a receptor for pituitary gland growth hormone. Isoform 2 is a serum growth hormone binding protein may play an important role in regulating the effective serum concentration of gh.

SUBUNIT: Isoform 1 is a homodimer.

SUBUNIT: Isoform 1 is a homodimer.

SUBCELLULAR LOCATION: Type I membrane protein (isoform 1); secreted (isoform 2).

ALTERNATIVE PRODUCTS: 2 isoforms; 1/HMW GHR (shown here) and GHR; are produced by alternative splicing.

SIMILARITY: BELONGS TO THE CYTOKINE FAMILY OF RECEPTORS.

SIMILARITY: CONTAINS 1 FIBRONECTIN TYPE III-LIKE DOMAIN.
               M333324;
M31680;
                                                                                                                                                                                                                 SWISS-PROT entry is copyright. It is produced through a ceen the Swiss Institute of Bioinformatics and the EMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Y., He L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Southard J.N., Talamantes F. owth hormone receptor/binding
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                 AAA37689.1; ALT_SEQ
AAA37689.1; ALT_SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  produced from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .J.;
.e EMBL/GenBank/DDBJ databases
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n exon 7 and 8 of the mouse grow
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Search completed: August 28, Job time: 532 sec
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REMBL; AF120483; AAD32556.1; JOINED.

REMBL; AF120484; AAD32556.1; JOINED.

DR EMBL; AF120485; AAD32556.1; JOINED.

REMBL; AF120486; AAD32556.1; JOINED.

REMBL; AF120487; AAD32556.1; JOINED.

REMBL; AF120488; AAD32556.1; JOINED.

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DR EMBL; U4933; AAK62802.1; JOINED.

DR EMBL; U4933; AAK62802.1; JOINED.

DR EMBL; U4938; AAK62802.1; JOINED.

DR EMBL; U4938; AAK62802.1; JOINED.

DR EMBL; U4938; AAK62802.1; JOINED.

DR InterPro; IPR003996; CR1A.

DR InterPro; IPR003528; Hematopo_receptor_L_F1.

DR InterPro; IPR003528; Hematopo_receptor_LF1.

DR PROSITE; PS01352; HEMATOPO_REC_L_F1; 1.

KW Receptor; Transmembrane; Glycoprotein; Signal; Alternative splicing.

TH SIGNAL ;
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Best Local Similarity
Matches 52; Conserv
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                                                                                                                                                                                                        ----PDYVSAGKNSCYFNSSYTSIWIPYCIKLT-TNGDLLDQKCFTVDEIVQPDPPIGLN 164
                                                                                                                                                                                                                        LHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLV 128
                                                                                                                                                                                                                                                                  PRETKCRSPELETESCYWTEGDNPDLKTPGSIQLYYAKRESQRQAARIAHEWTQEWKEC- 109
                                                                                                                                                                                                                                                                                     PEELLCFTERLEDLYCFWEEAASAGV-GPGNYSFSYQLED-------EPWKLCR 68
                                                                                                                                                                          ARLADES -----GHVVLRWLPPPETPMTSH---IRYEVDVSAGNGAGSVQRVEILEGR--
                                                                                  VMGPIWLTYCPVYSLRMDKEHEVRVRSR--QRSFEKY-SEFSEVLRVIFP
                                                                                                              ----TECVLSNLRGRTRYTFAVRARMAEPSFGGFWSAWSEPVSLLTP 221
                                                                                                                                            WTLLNISLTGIRGDIQVSWQPPPNADVLKGWIILEYE-----IQYKEVNESKWK
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22.6%;
                    2002, 17:40:41
                                                                                                                                                                                                                                                                                                                                                                                                         MW;
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EXYRACELLULAR (POTENTIAL).

POTENTIAL.

CYTOPLASMIC (POTENTIAL).

FIBRONECTIN TYPE-III.

BY SIMILARITY.

BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC...) (POTENTIAL).

DIOPPWELLIFGIFGVAVMLEVVIF -> GTKSNSOH
EIDNHLYHOLORIEH (IN ISOFORM 2).

MISSING (IN REF. 6).

T -> A (IN REF. 5).

G -> A (IN REF. 2).

MW; 95653380CAFOB931 CRC64;
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Pred. No. 0.0006;
9; Mismatches 88;
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